

Title (en)
SIMPLIFIED SEQUENTIAL CHEMILUMINESCENT DETECTION

Title (de)
VEREINFACHTE SEQUENZIELLE CHEMOLUMINISZENZ-MESSUNG

Title (fr)
DETECTION PAR CHIMILUMINESCENCE SEQUENTIELLE SIMPLIFIEE

Publication
EP 1015641 A4 20030416 (EN)

Application
EP 99917311 A 19990416

Priority

- US 9906531 W 19990416
- US 6445198 A 19980422

Abstract (en)
[origin: WO9954503A1] A method for sequential chemiluminescent detection of two differently labeled analytes on a single blot is described. In the method, a uniquely labeled DNA is detected with a horseradish peroxidase (HRP) substrate followed by the detection of another uniquely labeled DNA with a second different enzyme substrate which also inhibits the chemiluminescence generated by HRP. The sequential detection method described herein eliminates the need to strip and reprobe Southern, Northern and Western blots. Potential applications of this method include forensic DNA fingerprinting where more than one probe is used for probing a Southern blot, multiplex DNA sequencing of more than one template, detection of gene rearrangements, mutations and gene linkage.

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C12Q 1/68; **G01N 33/53**; **G01N 33/535**; **G01N 33/545**; **G01N 33/552**; **C12Q 1/28**; **G01N 33/58**

IPC 8 full level
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CPC (source: EP US)
C12Q 1/28 (2013.01 - EP US); **G01N 33/582** (2013.01 - EP US); **Y10S 435/973** (2013.01 - EP US)

Citation (search report)

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WO 9954503 A1 19991028; **WO 9954503 B1 19991125**; AT E364719 T1 20070715; AU 3546299 A 19991108; AU 747976 B2 20020530; AU 747976 C 20021205; CA 2294436 A1 19991028; CA 2294436 C 20090414; DE 69936284 D1 20070726; DE 69936284 T2 20080306; EP 1015641 A1 20000705; EP 1015641 A4 20030416; EP 1015641 B1 20070613; JP 2002511770 A 20020416; JP 4156677 B2 20080924; US 6068979 A 20000530

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